

METHOD AND SYSTEM FOR EQUALIZING COMMUNICATION SIGNALS

ABSTRACT OF THE DISCLOSURE

5 A receiver that can include an adaptive equalizer and a comparator
processes communication signals that have been distorted by a propagation
medium. The adaptive equalizer can correct for distortion of the received signals.
The comparator can accept the equalized signal from the equalizer and quantize
this signal. A control loop coupled to the equalized signal and the quantized
10 signal can adjust the equalizer. The control loop can adjust the equalizer so that
the high frequency energy in the equalized signal approximates the high-
frequency energy in the quantized signal, taking into account variation between
the low-frequency energies of these two signals.

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